

Lighting Research and Technology

Cumulative Index for Volumes 1-22 (1969-1990)

General Notes

The titles of papers are indexed in full in the natural order of the words, with cross-indexing, if necessary, under keywords. In cross-indexing the longer titles are shortened.

Letters are indexed under Correspondence, under the appropriate subject, and under author. Letters relating to a paper are indexed with the subject of the paper.

The Subject Index gives the names of all authors of multiple-author papers and the first and last pages of each paper. Book reviews are included.

Errata are given in both indexes.

The Author Index gives the names of all authors. With multiple-author papers only one name is given at a time, but the names of the other authors can be found by reference to the Subject Index.

Papers which include discussion are indicated with an asterisk in the Author Index.

The indexes do not include contributors to discussions, Abstracts (which are in every issue), or IES/CIBS notes.

Subject Index

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Angle flux: a new concept for the photometric evaluation of fluorescent lamp luminaires	H D Einhorn	5	4	213-216	1973	Ballasts and circuits for discharge lamps, Developments of Part 1: Materials, methods of construction and manufacturing techniques	W R Bloxsidge	1	4	199-206	1969
An investigation of task lighting for offices	G T McKennan & C M Parry	16	4	171-186	1984	Ballasts and circuits for discharge lamps, Developments of Part 2: Circuits	P D Parker	1	4	207-215	1969
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Appraisals of traffic route lighting installations	P R Cornwell	5	1	10-16	1973						

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Beam shape from narrow beam projectors	J G Holmes	9	4	189-193	1977	Calibration of subjective scaling responses	R H Simons M S Rea	14	3	121-129	1982
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Automated visual inspection	B G Batchelor, D A Hill & D C Hodgson	17	3	145	1985	Ceramics, Transparent, as lamp envelopes	M A Parrott	6	1	19-23	1974
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Lamps and Lighting (1983)	Dr M A Cayless & Dr A M Marsden	17	4	194	1985	Chairman's Address: Confront change—and seek new perspectives	P T Stone	16	1	25-33	1984
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Daylight research, New artificial 'overcast and clear' sky with an artificial sun	R Kittler	6	4	227-229	1974	Effect of illuminance, Movement under emergency lighting: the effect of illuminance on the performance of domestic kitchen work by two age groups	P R Boyce	17	2	51-71	1985
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R C Aldworth & D J Bridgers	Design for variety in lighting*	3	1	8	1971	E J G Beeson & K F Furnidge	The CSI lamp as a source of radiation for solar simulation	10	3	164	1978				
J W A M Alferdinck <i>et al</i>	Matrix signs for motorways: System design and optimum photometric features	20	2	55	1988	L B Beijer & J J Opstelten	A high performance graphic arts lamp	4	4	250	1972				
J W A M Alferdinck & P Padmos	Car headlamps: Influence of dirt, age and poor aim on glare and illumination intensities	20	4	195	1988	R I Bell	Specification of colour rendering properties of light sources for colour television	8	2	89	1976				
W A Allen <i>et al</i>	Lighting of the Calouste Gulbenkian Museum*	3	2	79	1971	J A M Bell	A method for the calculation of direct illuminance due to area sources of various distributions	5	2	99	1973				
F R H Almer & J de Ridder	Calculation of the radial tungsten transport in cylindrical gas-filled incandescent lamps	8	1	31	1976		Development and practice in the daylighting of buildings*	5	4	173	1973				
M de Amorim <i>et al</i>	Lighting of the Calouste Gulbenkian Museum*	3	2	79	1971	R I Bell & A R Bean	CIBSE Lighting Division Chairman's Address 1985	19	1	15	1987				
A Anders & B Jüttner	Cathode mode transition in high-pressure discharge lamps	22	2	111	1990	H E Bellchambers & S M Aston	Calculation of utilization factors	8	4	200	1976				
P Antoine <i>et al</i>	A study of the reflection factor of usual photometric standards in the near infra-red	4	4	243	1972	H E Bellchambers & A R Bean	Illumination, colour rendering and visual clarity	1	4	259	1969				
D W Archer & C G H Plant	A lighting prediction method for complex environments	4	2	102	1972	H E Bellchambers <i>et al</i>	The classification of lighting fittings and installations	2	2	109	1970				
M Artom	Photometric measurement of retroreflection: a new calibration procedure	13	1	32	1981	H E Bellchambers & A C Godby	Measurement of visual adaptation—preliminary experiments	1	2	104	1969				
F Ashford <i>et al</i>	Photopic luminance does not always predict perceived room brightness	22	1	37	1990		Relationship between two systems of glare limitation	7	2	106	1975				
P A Aspinall & J Dewar	Lighting and perceived guilt	12	3	140	1980	H E Bellchambers & R H Simons	Errata	7	3	199	1975				
S M Aston & H E Bellchambers	Illumination, colour rendering and visual clarity	1	4	259	1969	R I Bell & A M Marsden	Illumination, colour rendering and visual clarity	4	2	104	1972				
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J E Baker & S L Lyons	Lighting for the security of premises	10	1	10	1978	R I Bell & R K Page	Illuminance and utilance calculations for luminous ceilings	5	4	195	1973				
E R Ballantyne & C L Gupta	Luminous transmittance of glass	1	3	183	1969	M Bensoussan & N Nguyen Dat	Midpoint ratio calculations for linear luminaires	6	2	95	1974				
H H Ballin	Presidential address: The lighting designer	1	1	1	1969	G Bergmann	Disability glare: the relationship between veiling luminance and threshold rise	7	1	56	1975				
C Bao & H W Bodmann	Evaluation of a twin-rotation-disc visibility meter	18	1	19	1986	R I Bell & R K Page	The need for a unified approach to interior lighting design parameters	13	2	49	1981				
J S Barnes & G Hodgin	Designing and testing to BS 4533*	6	2	53	1974	M Bensoussan & N Nguyen Dat	Starterless high-pressure sodium vapour lamp	9	2	112	1977				
D M Barry & S M P Kohbodi	Degradation analysis on switched low-pressure sodium lamps	11	4	189	1979	G Bergmann & Gerthsen	Influence of impurities of pre-breakdown phenomena in the gas phase of discharge lamps containing mercury	10	1	33	1978				
A R Bean	Utilance values and uniformity in a model room	7	3	169	1975	S M Berman <i>et al</i>	Electrical breakdown in gas-filled incandescent lamps	4	3	159	1972				
	Impression of brightness of objects and interiors	9	2	103	1977	E G Berns & W J van Hoek	Photopic luminance does not always predict perceived room brightness	22	1	37	1990				
	Lighting of occupants and objects within an interior	10	3	146	1978	J Bescós <i>et al</i>	Emission lines in the spectra of halogen incandescent lamps	7	2	143	1975				
	Modelling indicators for combined side and overhead lighting systems	10	4	199	1978	P C Betts & D C Pritchard	Rotating disc visibility meter: Novel design	20	3	101	1988				
											Discomfort glare from ceiling mounted luminaires	6	4	230	1974

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J R de Bie	The shock resistance of incandescent lamps	3	1	48	1971		Current knowledge of visual performance	5	4	204	1973
J R de Bie & H B B v Dam	Numerical calculation of radial transport of mass and heat as applied to incandescent lamps	9	2	107	1977		Illuminance, difficulty, complexity and visual performance	6	4	222	1974
J R de Bie <i>et al</i>	The use of television equipment in research on incandescent lamps	5	1	29	1973		Illuminance, lamp type and performance on a colour discrimination task	8	4	195	1976
J R de Bie & J C M A Ponsioen	Halogen incandescent lamp incorporating a coiled tungsten ribbon	10	3	167	1978		Investigations of the subjective balance between illuminance and lamp colour properties	9	1	11	1977
D van den Bijlhaarts	Life and luminous flux of halogen incandescent lamps related to filament temperature, pressure and CH ₂ Br ₂ content	9	3	141	1977		Is equivalent sphere illuminance the future?	10	4	179	1978
J Th H Bindels & H-J Schmidt-Clausen	Tunnel lighting practice in the Netherlands*	7	2	95	1975	P Boyce	Variability of contrast rendering factor in lighting installations	10	2	94	1978
S Bini & P Soardo	Assessment of discomfort glare in motor vehicle lighting	6	2	79	1974		Equivalent sphere illuminance (Correspondence)	11	2	108	1979
Jennifer Birch	Automatic tracing of photometric curves	5	2	95	1973		The effect of fence luminance on the detection of potential intruders	11	2	78	1979
I Birchel <i>et al</i>	Colour defects and their investigation*	7	3	159	1975		Users' attitudes to some types of local lighting	11	3	158	1979
W R Bloxidge	An artificial sky for side-lit models	2	2	113	1970		Observations of the manual switching of lighting	12	4	195	1980
H W Bodmann & C Bao	Development of ballasts and circuits for discharge lamps: Part 1: Materials, methods of construction and manufacturing techniques*	1	4	199	1969	P Boyce	Movement under emergency lighting: the effect of illuminance	17	2	51	1985
H W Bodmann <i>et al</i>	Evaluation of a twin-rotation-disc visibility meter	18	1	19	1986		CIBSE Lighting Division Chairman's Address 1986/7	18	3	125	1986
H W Bodmann & S Kokoschka	Elements of visual performance: Contrast metric—visibility lobes—eye movement	14	4	218	1982		Lighting for the partially sighted in a residential home	18	4	161	1986
H W Bodmann & H J Schmidt	Visual inspection of sealing rings—a case study on lighting and visibility	18	2	98	1986	P R Boyce <i>et al</i>	Movement under emergency lighting: The effects of changeover from normal lighting	18	1	1	1986
H W Bodmann & B Weis	Road surface reflection and road lighting: Field investigations	21	4	159	1989	P R Boyce & C Cuttle	Illuminance, difficulty, complexity and visual performance (Correspondence)	7	3	198	1975
J B de Boer	Flux distribution with perfect specular reflectors	5	2	112	1973		On time to see	19	4	101	1987
	Performance and comfort in the presence of veiling reflections	9	4	169	1977	P R Boyce <i>et al</i>	Effect of correlated colour temperature on the perception of interiors and colour discrimination performance	22	1	19	1990
	Trotter-Paterson Memorial Lecture: Developments in illuminating engineering in the 20th century	14	4	207	1982	P R Boyce & P J McGuiness	Subjective response to a.c. and d.c. fluorescent lighting	5	3	160	1973
W J M van Bommel	Optimization of road lighting installations by the use of performance sheets	10	4	189	1978	P R Boyce & M S Rea	The effects of illuminance on tasks performed in domestic kitchens	15	1	9	1983
	Tunnel lighting practice world-wide	13	2	80	1981		The effect of illuminance on the performance of domestic kitchen work by two age groups	16	3	131	1984
W J M van Bommel & J Tekelenburg	The measured equivalent adaptation luminance at the approaches to subaqueous road tunnels	14	3	160	1982	P R Boyce & R H Simons	Security lighting: Effects of illuminance and light source on the capabilities of security guards	22	2	57	1990
J K Bond	Visibility research for road lighting based on a dynamic situation	18	1	37	1986	P R Boyce & A I Slater	Hue discrimination and light sources*	9	3	125	1977
M Borghi <i>et al</i>	PSALI today	22	3	159	1990	I H Boyd	The application of CRF to office lighting design	13	2	65	1981
H Bo & M Tola	An improved method of manufacturing a fluorescent lamp	12	2	73	1980	R M Boynton & K F Purl	Illuminance uniformity on desks: Where is the limit?	22	4	165	1990
	Model equation characteristics of high-frequency fluorescent lamps	18	2	65	1986		Diffusing windows: Errors in calculated illuminance	20	3	95	1988
J K Boud	Uniformity in daylighting	20	3	133	1988	R W Brander <i>et al</i>	Categorical colour perception under low-pressure sodium lighting with small amounts of added incandescent illumination	21	1	23	1989
C Bourdy <i>et al</i>	Visibility at a tunnel entrance: Effect of temporal adaptation	19	2	35	1987	D J Bridgers & R C Aldworth	Solid state light sources—illumination or display*	5	3	145	1973
	Visibility of a tunnel entrance: Effect of temporal luminance variation	20	4	199	1988	D J Bridgers & H Richards	Design for variety in lighting*	3	1	8	1971
P R Boyce	The influence of illumination level on prolonged work performance*	2	2	74	1970	T D J van Brink <i>et al</i>	Airfield lighting*	6	3	144	1974
	A comparison of the accuracy of methods of calculating the IES glare index	4	1	31	1972	J N Broadbridge <i>et al</i>	Matrix signs for motorways: System design and optimum photometric features	20	2	55	1988
							Measuring the direction of the flow of light	4	1	43	1972

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G W Brundrett	Human sensitivity to flicker*	4	1	1	1972	T F Christensen et al	On greyness and chroma	3	2	161	1971
G W Brundrett et al	Subjective response to a.c. and d.c. fluorescent lighting	6	3	127	1974	A W Christie	A planimetric method for obtaining mean values of photometric quantities in street lighting installations	2	2	112	1970
A A Bullen	Emergency lighting: Legislation and application	5	3	160	1973	M B Clark	Presidential address: In perspective	10	1	1	1978
N Bunker & P W Smith	The installed performance of integrated lighting systems	20	2	61	1988	A M Clarke et al	The effect of task contrast on visual performance and visual fatigue at a constant illuminance	12	3	144	1980
R Burgin	On the economic life of GLS incandescent lamps	13	2	58	1981	F J J Clarke et al	Goniophotometric and polarization properties of white reflection standard materials	15	3	133	1983
	The development of tungsten filament lamps	16	1	52	1984	F J J Clarke & D J Parry	Helmholtz reciprocity: its validity and application to reflectometry	17	1	1	1985
R Burgin & E F Edwards	The tungsten halogen lamp decade*	16	2	61	1984	C Clark & A J Wilkins	Modulation of light from fluorescent lamps	22	2	103	1990
J N Butters	Trotter Paterson Memorial Lecture: Laser light in aesthetics and industry	2	2	95	1970	J R Coaton	The optimum operating gas pressure for incandescent tungsten filament lamps	1	2	98	1969
D A Button	Control of daylight, noise and heat by the building structure*	10	2	61	1978		Calculations of power loss to the gas filling of incandescent lamps	3	2	163	1971
R H Byrd	Drawing a projected view of a building as 'seen' by the sun	2	4	225	1970		Operating pressure of incandescent and tungsten-halogen lamps and influence of envelope temperature on life	9	1	25	1977
H Byrd & A Hildon	Daylighting: appraisal at the early design stages	22	1	53	1990		Some aspects of the design of incandescent GLS lamps	10	4	225	1978
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A Cakir & J Krochmann	A note on the equivalent luminance and spectral luminous efficiency of the human eye within the mesopic range	3	2	152	1971		Permanent supplementary artificial lighting of deep hospital wards	2	3	174	1970
F W Campbell et al	A physiological phenomenon and its implications for lighting design	19	1	1	1987		Lighting of hospital circulation spaces which are open to bed bays	6	2	69	1974
D J Carter	A computer aid to multiple criterion design	13	3	153	1981		A study of user preferences for fluorescent lamp colours for daytime and night-time lighting	2	4	249	1970
D J Carter et al	Field measurement of illuminance	21	1	29	1989		The application of technological forecasting to illuminance values	4	2	101	1972
D J Carter & I McEwan	Some approaches to the treatment of obstruction in interior lighting design	17	3	107	1985		Instrument for direct measurement of mean cylindrical illuminance	8	4	225	1976
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M J Case & H D Einhorn	A portable discomfort glare evaluator	12	2	105	1980		The development of daylighting—a British view	16	4	155	1984
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A G Chalmers et al	Comparison of high-pressure discharges in mercury and the halides of aluminium, tin and lead	7	1	11	1975		Permanent supplementary artificial lighting in deep hospital wards	2	3	174	1970
	A variable-parameter electronic igniter for gas-discharge lamps	11	1	47	1979		Lighting of hospital circulation spaces which are open to bed bays	6	2	69	1974
P Chamberlain et al	An artificial sky for side-lit models	2	2	113	1970		A study of user preferences for fluorescent lamp colours and daytime and night-time lighting	2	4	249	1970
T J Chandler	Climate and building design*	2	4	220	1970		Relationship between two systems of glare limitation	7	2	106	1975
K M Chao et al	Visual performance of young Chinese observers	12	2	59	1980		Glare from windows: current views of the problem	14	1	31	1982
D F Chapman et al	'Energy limiters': Their place in lighting control	19	3	53	1987	J B Collins & A H Cockram	Errata	7	3	199	1975
R Chapman et al	Sector disc visibility comparator	8	2	113	1976	J B Collins et al	Preferred luminance distribution in windowless spaces	3	3	219	1971
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A Chiron et al	Visibility at a tunnel entrance: Effect of temporal adaptation	19	2	35	1987						
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B Constantatos	Errata	9	4	213	1977	S P Dawe et al	A room for experimental studies of luminance preferences	3	4	279	1971
D C Coomber & P A Jay	Uniformity as the key element in present developments in lighting design	14	2	102	1982	S P Dawe & A M Marsden	Words for lighting appraisals	1	4	255	1969
P R Cornwell	The life and performance of incandescent lamps	12	2	88	1980	J H Day	Void formation in tungsten lamp filaments	5	1	36	1973
C Cottin et al	The life and performance of incandescent lamps (Correspondence)	13	1	37	1981	P N De & L Bedocs	A study of the installed performance of industrial luminaires	13	3	137	1981
F Cottin et al	Appraisals of traffic route lighting installations	5	1	10	1973	P L Denbigh	Effect of sodium	6	2	62	1974
K T O Cox	Visibility at a tunnel entrance: Effect of temporal adaptation	19	2	35	1987	P L Denbigh	Experimental approach to high-pressure sodium lamp design	10	1	28	1978
I Crichton & M Wood-Robinson	Visibility of a tunnel entrance: Effect of temporal luminance variation	20	4	199	1988	P L Denbigh & B F Jones	Extending the life of low-power high-pressure sodium lamps	15	4	171	1983
V H C Crisp	Value for money—exterior lighting*	4	4	236	1972	P L Denbigh & D O Wharmby	A simple computer program for designing standard high-pressure sodium lamps	16	4	193	1984
V H C Crisp et al	Integrated services in modern office buildings*	5	2	69	1973	J Dewar & P A Aspinall	Electrode fall and electric field measurements in high-pressure sodium discharges	8	3	141	1976
V H C Crisp & G Henderson	Preliminary study of automatic daylight control of artificial lighting	9	1	31	1977	R F Dillon et al	Lighting and perceived guilt	12	3	140	1980
S H Critchley et al	The light switch in buildings*	10	2	69	1978	A Dobruskin	The effectiveness of light switch reminders in reducing light usage	19	3	81	1987
P M Crowther et al	Relationship between two systems of glare limitation	7	2	106	1975	R Dogniaux et al	Metal halide lamps with rare earth additives	3	2	125	1971
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C Cuttle	The energy management of artificial lighting use	14	4	193	1982	P Drop et al	Electrical space conditioning in the USA	1	1	24	1969
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C Cuttle & P R Boyce	Presidential address: In the light of change and experience	5	1	1	1973	R B Eastwood et al	Characterisation of diffuse and constricted high-pressure arcs by magnetic balancing	12	2	83	1980
C Cuttle & P R Boyce	Lighting patterns and the flow of light*	3	3	171	1971	K Eberbach & W Adrian	Road lighting and the role of central government*	6	4	183	1974
C Cuttle & P R Boyce	A desk top heliodon	6	1	32	1974	H D Einhorn	Contrast control by means of nematic liquid crystals	8	4	229	1976
C Cuttle & J A Lynes	Subjective assessments of the appearance of special performance glazing in offices	11	3	140	1979	E					
C Cuttle & J A Lynes	Lighting works of art for exhibition and conservation	20	2	43	1988	Sir Eric Eastwood	Trotter-Paterson Memorial Lecture: Lamps, light and cosmology	6	3	119	1974
C Cuttle & J A Lynes	Effect of correlated colour temperature on the perception of interiors and colour discrimination performance	22	1	19	1990	R B Eastwood et al	On greyness and chroma	3	2	161	1971
C Cuttle & J A Lynes	Bracelet for total solar shading	20	3	105	1988	E F Edwards	On the relationship between the visual threshold and the size of the surrounding field	1	4	251	1969
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S Dahlstedt	Luminance uniformity and legibility of traffic signs	6	4	217	1974	E F Edwards	The tungsten halogen lamp decade*	2	2	95	1970
N P G Dale et al	Measuring the direction of the flow of light	4	1	43	1972	H D Einhorn	A new method for the assessment of discomfort glare*	1	4	235	1969
H B B van Dam & J R de Bie	Numerical calculation of radial transport of mass and heat as applied to incandescent lamps	9	2	107	1977	E F Edwards & R Burgin	Orientated lighting	2	4	246	1970
C J Darlington et al	An artificial sky for side-lit models	2	2	113	1970	H D Einhorn	Angle flux: a new concept for the photometric evaluation of fluorescent lamp luminaires	5	4	213	1973
N Nguyen Dat & M Bensoussan	Starterless high-pressure sodium vapour lamp	9	2	112	1977		Simple calculation methods for the lighting of passages and tunnels	7	1	30	1975
I F Davies	Development of ballasts and circuits for discharge lamps: Part 3: Characteristics, measurements and standards*	1	4	216	1969		Proposals for rationalising the IES glare index system (Correspondence)	10	3	176	1978
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I F Davies et al	Lighting techniques and associated equipment for outdoor colour television with particular reference to football stadium lighting*	4	4	181	1972	H D Einhorn & M J Case	Average illuminance: Two-line method for measurement	22	1	43	1990
I F Davies et al	The effect of measurement uncertainty on the colour rendering indices of fluorescent lamps	5	1	17	1973		A portable discomfort glare evaluator	12	2	105	1980

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G Fein et al	Photopic luminance does not always predict perceived room brightness	22	1	37	1990	C Gentile et al	Luminous flux measurement	20	4	189	1988
H M Ferguson	Intensity distributions from street lighting lanterns—smoothness below the peak	5	1	50	1973	P Gerthsen & G Bergmann	Electrical breakdown in gas-filled incandescent lamps	4	3	159	1972
H M Ferguson & G Mainwaring	A survey of visual guidance aids for aircraft*	3	4	251	1971	J F van Gils et al	New blue lamp for phototherapy of hyperbilirubinemia	7	1	19	1975
J Finsterwalder et al	Kinetic luminance measurement and assessment of road tunnels	18	1	28	1986	A C Godby & H E Bellchambers	Colour co-ordination	11	3	165	1979
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A J Fisher & R R Hall	Road luminances based on detection of change of visual angle	8	4	187	1976		Air-handling luminaires and plenum exhaust systems*	9	2	73	1977
J R Fitzpatrick & J M Rees	The lighting of curves on arterial roads	17	3	129	1985	Yang Gongxia & Si Yun	The design, construction and performance of an incandescent light source with a transparent heat mirror	18	2	93	1986
M Flanagan et al	Progress towards a practical fluorescent lamp	11	2	85	1979	P E Gooding et al	Visual environment for the exhibition of cultural relics	22	4	175	1990
H J Fleck et al	Effect of headlamp area on discomfort glare	22	1	49	1990	P Gordon	Instrument for the direct measurement of mean cylindrical illuminance	8	4	225	1976
E Folles et al	Elements of visual performance: Contrast metric—visibility lobes—eye movement	14	4	218	1982		Appraisals of visibility on lighted dry and wet roads	9	4	177	1977
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J-B Forsgren et al	Ultraviolet radiation emissions from miniature (compact) fluorescent lamps	22	3	125	1990	J Greenhill & R C Kemper	A mobile laboratory for dynamic road lighting measurements	11	4	197	1979
L Di Fraia	Polarized headlight systems: the effect of laminated and toughened windscreens on visibility distance	3	2	158	1971	J Greenhill & R H Simons	Certification of lighting equipment*	6	4	197	1974
L Di Fraia & F Salemme	A simpler equation for the rms volt-ampere characteristics of fluorescent lamps	17	4	189	1985	R L Gregory	Testing luminaires*	3	3	190	1971
G Frank & F Schipp	Compact fluorescent lamp behaviour under square-wave voltages and other unusual supply conditions	20	1	29	1988	J Grenfell et al	Trotter-Paterson Memorial Lecture: Seeing in the light of experience	3	4	247	1971
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M B Halstead & S T Henderson	Colour rendering tolerances in the CIE system*	3	2	99	1971	I C Henry <i>et al</i>	Corrections for chromatic adaptation in the determination of colour rendering indices (Part 2)	7	2	113	1975
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E Hartmann <i>et al</i>	Individual and group differences in discomfort glare responses	5	1	41	1973	D Hodgkiss	Designing and testing to BS 4533*	6	2	53	1974
P Haubner	Obituary	19	1	24	1987	W J van Hoek & E G Berms	The amalgam lamp	2	1	46	1970
P Haubner & S Kokoschka	Presidential address: The lighting adviser in public service	2	1	1	1970	W J van Hoek & P C Drop	Emission lines in the spectra of halogen incandescent lamps	7	2	143	1975
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S Hayman & P R Tregenza	Luminance ratios at visual display workstations and visual performance	17	3	138	1985	J G Holmes	A review of current railway lighting practice in Great Britain*	4	4	202	1972
S A Hayward <i>et al</i>	Sky-scanning luminance meters: Proposal using fibre-optic photocells	21	4	195	1989		Terminology for flashing light signals	6	1	24	1974
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N W O'Brien & S A Mucklejohn	Examination of electrode erosion by the transpiration technique	18	3	133	1986	M J Perry <i>et al</i>	A physiological phenomenon and its implications for lighting design	19	1	1	1987
	Thermochemical parameters for use in modelling metal halide lamps	18	2	88	1986	P Petherbridge	The Development of daylighting—a British view	16	4	155	1984
R M O'Donnell <i>et al</i>	Sector disc visibility comparator	8	2	113	1976	D R H Phillips	Window scales	17	2	99	1985
J J Opstelten	The dependence of the general colour rendering index on the set test of colours, the standard observer, and the colour-difference formula	12	4	186	1980	N J Phillips & J R Coaton	Presidential address: Space, time and light in architecture	7	1	1	1975
J J Opstelten & L B Beijer	Specification of colour rendering properties of light sources for colour television	8	2	89	1976	J F Pickup <i>et al</i>	Holography as a diagnostic technique in the study of lamps and lighting	5	3	156	1973
J J Opstelten & M Koedam	Measurement and computer-aided optimization of spectral power distributions	3	3	205	1971	M J H Pinniger & L Bedocs	The crisis in lighting education*	2	4	205	1970
D Ottewell	The effect of operating position on the visible emission from a mercury-sodium iodide discharge	3	1	43	1971	C G H Plant & D W Archer	Development of integrated ceiling systems*	7	2	69	1975
M J Ouellette	Exit signs in smoke: Design parameters for greater visibility	20	4	155	1988	C G H Plant & J B Collins	A lighting prediction method for complex environments	4	2	102	1972
M J Ouellette <i>et al</i>	On time to see	19	4	101	1987	A Plaza <i>et al</i>	Preferred luminance distribution in windowless spaces	3	3	219	1971
M J Ouellette & M S Rea	Visual performance using reaction times	20	4	139	1988	M R Pointer	Rotating disc visibility meter: Novel design	20	3	101	1988
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						S J Prais	Life and luminous flux of halogen incandescent lamps related to filament temperature, pressure and CH_3Br_2 content	9	3	141	1977
						J S Preston	Economic life of incandescent lamps for domestic lighting	6	2	101	1974
							Introduction of the International Practical Temperature Scale 1968: some effects in relation to light sources, colour temperature, and colorimetry				
P Padmos	Pitfalls in appraisal studies of road lighting	17	3	120	1985		Radiometric photometry—a review of the situation	1	4	248	1969
P Padmos <i>et al</i>	Matrix signs for motorways: System design and optimum photometric features	20	2	55	1988		Effect of surface colour on apparent surface distance (Correspondence)	1	2	95	1969
P Padmos & J W A M Alferdinck	Car headlamps: Influence of dirt, age and poor aim on glare and illumination intensities	20	4	195	1988		Responses to light and radiation: a guide to units, conversion factors and computations	4	3	173	1972
J K Page	A review of UK practice on integrated environmental design*	2	3	135	1970		Errata	6	2	89	1974
R B Page	A search for an improved ultraviolet radiation source	18	2	75	1986		Oxygen additions to tungsten-bronze lamps	6	3	174	1974
J K Page <i>et al</i>	Incorporating body-tinted glazing into daylight computer models	16	3	143	1984	D H Price	Lighting (1985)	8	1	45	1976
R K Page & R I Bell	The need for a unified approach to interior lighting design parameters	13	2	49	1981	D C Pritchard	Discomfort glare from ceiling mounted luminaires	17	2	100	1985
D A Palmer	Dark night takes colour away from things*	7	3	163	1975	D C Pritchard & P C Betts	The crisis in lighting education*	6	4	230	1974
D A Palmer <i>et al</i>	Colour rendering tolerances in the CIE system*	3	2	99	1971	D C Pritchard <i>et al</i>	Gloom as a psychophysical phenomenon	2	4	205	1970
M D Parent & J B Murdoch	Skylight dome-well system analysis from intensity distribution data	21	3	111	1989	A T Purcell <i>et al</i>	Categorical colour perception under low-pressure sodium lighting with small amounts of added incandescent illumination	21	3	89	1989
P D Parker	Development of ballasts and circuits for discharge lamps: Part 2: Circuits*	1	4	207	1969	K F Purl & R M Boynton	Predicting intensity distribution from symmetrical reflectors with large sources of light	21	1	23	1989
M A Parrott	Translucent ceramics as lamp envelopes	6	1	19	1974			16	3	140	1984
D J Parry & F J J Clarke	Helmholz reciprocity: its validity and application to reflectometry	17	1	1	1985	M Quintanilla & J G Vizmanos					
D J Parry <i>et al</i>	Geniophotometric and polarization properties of										

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E Rabusin & R Perego	Vertical line production of low-mercury content fluorescent tubes	15	1	32	1983	G Rossi <i>et al</i>	Possible optical, visual and behavioural effects of eyelids	20	1	11	1988
M Raitelli <i>et al</i>	Legibility of texts: The influence of blur	19	3	61	1987	S E Rothwell <i>et al</i>	Luminous flux measurement	20	4	189	1988
V K Randal <i>et al</i>	A variable-parameter electronic ignitor for gas-discharge lamps	11	1	47	1979	R L Rouse <i>et al</i>	A physiological phenomenon and its implications for lighting design	19	1	1	1987
E Rasch & H-J Hentschell	New developments in the starting of fluorescent lamps with preheated cathodes	5	4	217	1973	G C J Rouweler <i>et al</i>	Solid state light sources—illumination or display*	5	3	145	1973
M L Rastello <i>et al</i>	Luminous flux measurement	20	4	189	1988	E Rowlands	Some aspects of the tin halide molecular arc	6	4	212	1974
M S Rea	Calibration of subjective scaling responses	14	3	121	1982		Errata	7	1	57	1975
	Practical implications of a new visual performance model	18	3	113	1986		Comments on the accuracy of the IES Glare Index system	4	2	88	1972
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M S Rea <i>et al</i>	On time to see	19	4	101	1987		Visual performance and colour rendering	2	3	194	1970
	The effectiveness of light switch reminders in reducing light usage	19	3	81	1987	Nancy C Ruck	Preferred lighting conditions for the display of oil and watercolour paintings	14	4	173	1982
M S Rea & P R Boyce	Security lighting: Effects of illuminance and light source on the capabilities of security guards	22	2	57	1990	H R Ruff	Representation of skylight availability in Australia in different climatic zones using regression procedures	17	2	72	1985
M S Rea & R R Jackel	Lighting energy conservation: simple analytic methods with time-lapse photography	15	2	77	1983	K Rumar <i>et al</i>	A portable Finsen meter for photobiological studies	2	1	43	1970
M S Rea & M J Ouellette	Monitoring occupancy and light operation	19	2	45	1987		Artificial sunlighting for leisure and recreation*	4	1	9	1972
J M Rees	Visual performance using reaction times	20	4	139	1988		Polarized headlight systems: the effect of laminated and toughened windscreens on visibility distance	3	2	158	1971
J M Rees & I Connor	Bromophosphonitrile lamps	2	4	257	1970		High beam intensity and obstacle visibility	7	1	35	1975
	Abnormal failure mechanism in incandescent lamps	9	3	154	1977		A new polarized headlight system	2	1	8	1970
	Errata	9	4	213	1977		Sky luminance measurements for design and control of indoor daylight illumination	22	4	189	1990
J M Rees & J R Fitzpatrick	Progress towards a practical fluorine lamp	11	2	85	1979						
E Reibeling <i>et al</i>	A variable-parameter electronic ignitor for gas-discharge lamps	11	1	47	1979	G Saika <i>et al</i>	S				
F Reid	Techniques of stage lighting*	2	3	125	1970		Photopic luminance does not always predict perceived room brightness	22	1	37	1990
R Reitmair	Some effects of veiling reflections on papers	11	4	204	1979	F Salemme & L Di Fraia	Compact fluorescent lamp behaviour under square-wave voltages and other unusual supply conditions	20	1	29	1988
J S Ribeiro <i>et al</i>	Lighting of the Calouste Gulbenkian Museum*	3	2	79	1971		Improving the maintenance factor of lighting systems	21	3	107	1989
M J Richards	The development of an airfield taxiway light	2	3	186	1970	A C Salvidge <i>et al</i>	Movement under emergency lighting: Comparison between standard provisions and photoluminescent markings	20	4	167	1988
H Richards & D J Bridgers	Airfield lighting*	6	3	144	1974		Semiconductor ballast circuits for discharge lamps	7	2	133	1975
J de Ridder & F R H Almer	Calculation of the radial tungsten transport in cylindrical gas-filled incandescent lamps	8	1	31	1976		Air-handling luminaires and plenum exhaust systems*	9	2	73	1977
W Riemenschneider & E Müller	Tunnel lighting in Switzerland*	7	2	99	1975	J Santamaría <i>et al</i>	Rotating disc visibility meter: Novel design	20	3	101	1988
S A R Rigden	Lamps, sodium, low-power high-pressure, Extending the life of	16	1	52	1984	V D P Sastri & S B Manamohanan	Zenith luminance and total horizontal illuminance of the tropical clear sky	22	4	197	1990
T R Rodseth & G Roessler	Seeing and the degree of glare	1	4	257	1969	M Sato <i>et al</i>	Visual environment of a control room	21	3	99	1989
	The psychological function of windows for the visual communication between the interior of rooms with permanent supplementary lighting and the exterior	12	3	160	1980	J E Saunders	The role of the level and diversity of horizontal illumination in an appraisal of a simple office task*	1	1	37	1969
B C Rogers <i>et al</i>	Lighting techniques and associated equipment for outdoor colour television with particular reference to football stadium lighting*	4	4	181	1972	M J Sawyer <i>et al</i>	A rough-service illuminance meter	9	3	233	1971
F Röhrl <i>et al</i>	Subjective lighting needs of the old and the pathological eye	21	1	1	1989	R Schäfer & H-P Stormberg	Excitation of acoustic instabilities in discharge lamps with pulsed supply voltage	15	3	127	1983
S M Romaya <i>et al</i>	A room for experimental studies of luminance preferences	3	4	279	1971	J Schanda	A combined colour preference-colour rendering index	17	1	31	1985
	Consistency and variation in preferences for office lighting	6	4	205	1974	F Schipp & G Franck	Properties of a fluorescent lamp filled with the mercury isotope 202 Hg	7	1	49	1975
S M Romaya & P R Tregenza	A survey of lighting in open plan offices	4	1	45	1972						

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	Fundamental visual problems in tunnels*	7	2	85	1975	D H Sliney	Optical radiation safety	14	3	142	1982
	The visual cut-off angle of vehicle windscreens	17	4	192	1985	A E Smart	An investigation of glare from white and yellow sources	1	2	106	1969
D A Schreuder & W Adrian	A simple method for the appraisal of glare in street lighting*	2	2	61	1970	G V G Smith	An investigation of chromatic glare with particular reference to night driving	2	1	33	1970
H G Schröter	Research on daytime lighting of tunnel entrances	9	4	194	1977		Wire grid filters for photometric linearity testing of transmissometers	4	3	171	1972
S M Secker	Regional variations of daylight availability—a review of measured data and estimating methods	15	3	151	1983	P W Smith & N Bunker	The installed performance of integrated ceiling systems	13	2	58	1981
S M Secker & P J Littlefair	Daylight availability and lighting use: Geographical variations	19	2	25	1987	H A G S Smulders	Electronics lamp circuits*	9	2	65	1977
J Seehawer <i>et al</i>	A metal-halide high pressure discharge lamp with warm white colour and high efficacy	11	1	1	1979	P Soardo <i>et al</i>	Luminous flux measurement	20	4	189	1988
M Seidl & J Krochmann Thorstein Seim	Quantitative data on daylight for illuminating engineering In search of an improved method for assessing the colour rendering properties of light sources	6	3	165	1974	P Soardo & S Bini	Automatic tracing of photometric curves	5	2	95	1973
R C Sexton <i>et al</i>	Field measurement of illuminance	17	1	12	1985	A Soler	Global and diffuse illuminances: Estimation of monthly average values	22	4	193	1990
S Sharpies <i>et al</i>	Incorporating body-tinted glazing into daylight computer models	16	3	143	1984	K Sorensen & E Frederiksen	Reflection characteristics of dry and wet road surfaces	8	4	175	1976
A J Shepherd <i>et al</i>	Gloom as a psychophysical phenomenon	21	3	89	1989	C G Souster <i>et al</i>	Incorporating body-tinted glazing into daylight computer models	16	3	143	1984
A F C Sherratt	Internal services which influence the interior environment*	2	4	232	1974	D Southall	Appraisal of a light box as a low vision reading aid	15	4	190	1983
R C Simmons	Illuminance, diversity and disability glare in emergency lighting	7	2	125	1975	W N Sproson <i>et al</i>	Corrections for chromatic adaptation in the determination of colour rendering indices	5	2	84	1973
C J Simmons <i>et al</i>	Effect of headlamp area on discomfort glare	22	1	49	1990		Television scene lighting consistency index	22	2	81	1990
R H Simons <i>et al</i>	Development of the new code of practice for traffic routes	18	4	143	1986		Effect of 2-dimensional fluctuations in observations of colour difference	10	3	140	1978
	Development of the new code of practice for traffic routes	18	4	143	1986		Colour rendering tolerances in the CIE system*	3	2	99	1971
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R H Simons & L Bedocs	The accuracy of the IES Glare Index system	4	2	80	1972	B Steck	European practice in the integration of lighting, air conditioning and acoustics in offices*	1	1	8	1969
R H Simons & H E Bellchambers	Midpoint ratio calculations for linear luminaires	6	2	95	1974		Effects of optical radiation on man	14	3	130	1982
R H Simons & P R Boyce	Hue discrimination and light sources*	9	3	125	1977	S W Stephens <i>et al</i>	An improved method of manufacturing a fluorescent lamp	12	2	73	1980
R H Simons & J E Greenhill	Testing luminaires*	3	3	190	1971	T Stewart	Problems caused by the continuous use of visual display units*	12	1	26	1980
M D Simpson <i>et al</i>	Development of the new code of practice for traffic routes	18	4	143	1986	P T Stone	Proposals for a new undergraduate education in lighting*	4	2	57	1972
	Development of the new code of practice for traffic routes	18	4	143	1986		Chairman's Address—Confront change—and seek new perspectives	16	1	25	1984
	Development of the new code of practice for traffic routes	19	2	52	1987	P T Stone <i>et al</i>	Subjective judgements of lighting in lecture rooms	7	4	259	1975
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M Sivak <i>et al</i>	Effect of headlamp area on discomfort glare	22	1	49	1990	P T Stone <i>et al</i>	The effect of task contrast on visual performance and visual fatigue at a constant illuminance	12	3	144	1980
A I Slater	A simple contrast reducing visibility meter	7	1	52	1975	F H S Stone <i>et al</i>	Errata	8	4	224	1976
	Variation and use of contrast rendering factor and equivalent sphere illuminance*	11	3	117	1979	P T Stone & S D P Harker	Individual and groups differences in discomfort glare responses	5	1	41	1973
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S P Stupple <i>et al</i>	Constraints of reflectance in artificial sky domes	19	4	115	1987		Consistency and variation in preferences for office lighting	6	4	205	1974
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Y Takeuchi <i>et al</i>	Visual environment of a control room	21	3	99	1989	P R Tregenza & I M Waters	Daylight coefficients	15	2	65	1983
T Takeuchi <i>et al</i>	Errors associated with luminance measurements	13	4	203	1981	P W Trezona	Luminance level conversions to assist lighting engineers to use fundamental visual data	15	2	83	1983
S Tamari <i>et al</i>	Errors associated with luminance measurements	13	4	203	1981	M Trezzi <i>et al</i>	Glare evaluation of tennis court floodlighting	18	4	157	1986
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P S Taylor	The effect of ceiling mounting on the photometric performance of luminaires	4	1	44	1972	B Tuck & L J Heap	Temperature effect on selenium photocells	3	3	234	1971
E W Taylor	The use of metal-halide discharge lamps for film lighting. Part 1	10	4	203	1978	U					
D I Taylor	The use of metal-halide discharge lamps for film lighting. Part 2	11	1	24	1979	M B D Upton <i>et al</i>	The photometry of the flow of light	3	4	282	1971
E W Taylor & W N Sproson	Automated lighting in opera design	21	1	19	1989	V					
J Tekelenburg & W J M V Bommel	Television scene lighting consistency index	22	2	81	1990	G Vandermeersch <i>et al</i>	A study of the reflection factor of usual photometric standards in the near infra-red	4	4	243	1972
H Tersteige	Visibility research for road lighting based on a dynamic situation	18	1	37	1986	H Vandewyngaerde <i>et al</i>	Minimum semi-cylindrical illuminance and modelling in residential area lighting	21	2	49	1989
M Tesson & B Monié	Colours of transilluminated traffic signs	12	2	69	1980	E Veenstra & L E Vrenken	Compact single-ended fluorescent lamps: some performance and application aspects	15	2	98	1983
L A Thomas <i>et al</i>	Road tunnel lighting design: Simplification	21	4	171	1989	J M P J Verstegen	New class of phosphors for 'de luxe' fluorescent lamps	6	1	31	1974
M Thorell	Solid state light sources—illumination or display*	5	3	145	1973	A C M d Visser & M van der Woude	Minimisation of the screen effect in the integrating sphere by variation of the reflection factor	12	1	42	1980
L Thorington <i>et al</i>	Polarized headlight systems: the effect of laminated and toughened windscreens on visibility distance	3	2	158	1971	J G Vizmanos & M Q Monton	Design of asymmetric reflecting surfaces	18	3	119	1986
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K T Tikkonen	Spectral properties of metal halide lamps with rare earth-iodide or Sc-iodide and sodium iodide	17	2	79	1985	J A J M Vliet & G M J F Luijks	Glow-to-area transitions in gas discharge lamps	20	3	87	1988
	A study of emotional reactions to light and colour in a school environment	8	1	27	1976	L E Vrenken	New fluorescent lamps for interior lighting	8	4	211	1976
	Spectral eye fatigue in a school environment	11	4	184	1979		Fluorescent lamps with very high luminous efficiency	10	3	161	1978
M Tola & H Bo	Errata	8	2	114	1976	L E Vrenken & W Veenstra	Compact single-ended fluorescent lamps: some performance and application aspects	15	2	98	1983
P R Tregenza	Model equation characteristics of high-frequency fluorescent lamps	18	2	65	1986	J W ter Vrugt <i>et al</i>	Fluorescent lamp coatings with layers of different compositions	7	1	23	1975
	Diagram for estimating solar shielding	10	2	114	1978		New blue lamp for phototherapy of hyperbilirubinemia	7	1	19	1975
	A simple mathematical model of illumination from a cloudy sky	12	3	121	1980	J W ter Vrugt & W L Wanmaker	New phosphors for lamps	3	2	147	1971
	The daylight factor and actual illuminance ratios	12	2	64	1980	W					
	The Monte Carlo method in lighting calculations	15	4	163	1983	H G Wagner	On chromatic adaptation	1	1	56	1969
	Measured and calculated frequency distributions of daylight illuminance	18	2	71	1986	W-J Wagner <i>et al</i>	A new criterion in heterochromatic photometry	3	4	280	1971
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	Daylight measurement in models: New type of equipment	21	4	193	1989	D T Waigh	Temperature effects with fluorescent lamps (Correspondence)	2	2	115	1970
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	Measurement of visual adaptation (Correspondence)	1	3	186	1969	A J Wilkins & C Clark	Modulation of light from fluorescent lamps	22	2	103	1990
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	A physiological appraisal of the revealing power of a street lighting installation for large composite objects (Correspondence)	4	2	107	1972	T J Wiltshire & T W A Whitfield	Diamond Jubilee Lecture: Light and the community Part 1: The evolution of electric lamps	1	2	69	1969
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	The calculation of sky haze luminance from street lighting	4	1	21	1972	W Wood-Robinson	The aesthetic function of colour in buildings—a critique	12	3	129	1980
	Effect of atmospheric attenuation on exterior lighting design (Correspondence)	8	4	224	1976	M Wood-Robinson & I Crichton	A rough-service luminance meter	3	3	233	1971
	Equivalent sphere illuminance (Correspondence)	11	2	107	1979	D E Work	Chairman's address: Overcoming darkness—with interest	15	1	25	1983
	Dynamic road lighting laboratory (Correspondence)	12	2	110	1980	E Wotton	Integrated services in modern office buildings*	5	2	69	1973
	A manual of perspective for lighting engineers	14	2	65	1982	M van der Woude & A C M de Visser	Chemistry of metal halide lamps: a review	13	3	143	1981
	The roving eye: dynamic perspective	17	4	153	1985	W D Wright	Daytime lighting of buildings (Correspondence)	6	3	174	1974
R J Walsingham <i>et al</i>	Measurement of visual adaptation—preliminary experiments	1	2	104	1969		Minimisation of the screen effect in the integrating sphere by variation of the reflection factor	12	1	42	1980
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N F Watson <i>et al</i>	Preferred lighting conditions for the display of oil and watercolour paintings	2	4	261	1970		Communication theory approach to measuring the goodness of seeing	16	2	98	1984
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J Weir	Artificial lighting for commercial horticulture*	20	4	167	1988	Y					
B Weis & H W Bodmann	Flux distribution with perfect specular reflectors	7	4	209	1975	Gong-Xia Yang <i>et al</i>	Gong-Xia Yang <i>et al</i> A case study for the design of visual environment of a control room in a power plant	17	2	84	1985
H O Westermann	Engineering aspects of tunnel lighting*	5	2	112	1973	Y S Yerrell	The automatic dimming of headlights in lit streets	5	3	162	1973
J Whalen <i>et al</i>	The photometry of the flow of light	7	2	90	1975	G T Yonemura	Vehicle headlights* Criteria for recommending lighting levels	8	2	69	1976
D O Wharmby	Tungsten halogen and metal halide discharge lamps in floodlights	3	4	284	1971	K Yoshikawa & K Narisada	Tunnel entrance lighting—the effect of fixation point and other factors on the determination of requirements	13	3	113	1981
D O Wharmby & P L Denbigh	Spectroradiometry in research and development on lamps	5	1	52	1973	B L Yu <i>et al</i>	Visual performance of young Chinese observers	6	1	9	1974
D O Wharmby <i>et al</i>	Electrode fall and electric field measurements in high-pressure sodium discharges	12	4	221	1980	Si Yun & Yang Gongxia	Visual environment for the exhibition of cultural relics	12	2	59	1980
M J Whillock <i>et al</i>	Comparison of high-pressure discharges in mercury and the halides aluminium, tin and lead	8	3	141	1971	Z					
T W A Whitfield & T J Wiltshire	Ultraviolet radiation emissions from miniature (compact) fluorescent lamps	7	1	11	1975	A Zanker	A Zanker Calculation of room index and estimation of coefficient of utilization of luminaires by means of a nomograph	12	2	107	1980
F L Whittaker	The aesthetic function of colour in buildings—a critique	22	3	125	1990	X H Zhou <i>et al</i>	Improving the spectral characteristics of fluorescent lamps by using narrow-band phosphors	19	1	7	1987
F L Whittaker <i>et al</i>	Properties of sodium tin halide—mercury discharges	12	3	129	1980	T M Zhou <i>et al</i>	Improving the spectral characteristics of fluorescent lamps by using narrow-band phosphors	19	1	7	1987
	Comparison of high-pressure discharges in mercury and the halides of aluminium, tin and lead	13	1	11	1981	R J Zollweg & K L Kussmaul	Non-destructive monitoring of high-pressure sodium arcs	15	4	179	1983